In-Game Transaction Tooling – Technical & Functional Requirements

Overview

This document outlines the technical and functional requirements for integrating a new In-game Transaction Validation Tool within the existing Account Tool. This tool will allow support agents to validate user claims about missing in-game content purchases.

🛠 Technical Requirements

1. API Integration

- **Endpoint**: `POST /v1/ingame/transactions`
- **Request Body Parameters**:
    - `username`: string (First Party username)
    - `start`: number (timestamp in ms)
    - `end`: number (timestamp in ms)

  json

  ```json
  {

    "username": "firstPartyUsername",

    "start": 1684470000000,

    "end": 1684548000000

  }
  ```

- **Expected Response (on success)**:

  ```json
  {
    "status": "success",
    "data": {
      "transactionEvents": [
        {
          "contentPack": "pack1",
          "currency": "currency2",
          "cost": "1200",
          "status": "item_delivered",
          "date_time": 1684470000000
        },
        …
      ]
    }
  }
  ```

- **Error Codes**:
  - `240000 DatabaseError`: Display appropriate error message to end-user.

2. Error Handling

- Handle invalid date ranges (`From > To`) with intuitive messaging.
- Display relevant user-friendly messages for API errors or empty responses.

3. Date Conversion

- Convert `date_time` values from epoch milliseconds to **Pacific Standard Time (PST)**.

📋 Functional Requirements

1. Tool Access & Navigation

- Add an **"In-Game Transactions"** option in the Account Tool's left navigation.
- Feature becomes visible and usable after a successful username search.

2. Search Interface

- Provide date pickers for **"From"** and **"To"** date input.
- Enforce validation: "From" date cannot be after "To" date.
- Include tooltips or error messages for invalid inputs.

3. Transaction Results Display

- Display results in a structured data table with the following columns:
  - Content Pack Name
  - Virtual Currency Used
  - Cost
  - Status (e.g., item_delivered, delivery_failed)
  - Date/Time (converted to PST)
- Table Features:
  - Intuitive headers and labels
  - Pagination or keyword search for ease of navigation

4. Messaging for Results

- **If no data**: Display "No transactions available for the selected date range."

- **If error**: Display detailed error info with suggested next steps.

☑ Summary of Use Cases

Use Case	Description
Search by Date & Username	User inputs First Party username and selects a From/To date range.
Display Results	Tool displays relevant purchase transactions with details
Handle Invalid Input	Validates and guides on incorrect or missing inputs.
Handle API Errors	Surfaces meaningful feedback for API response issues.
Validate Claims	Allows support to check if a user has purchased and received a content pack.